

Sterilization – fast, professional and reliable



MST-V: Hospital sterilizer with automatic vertical sliding door
Flexible solutions for the Central Sterile Supply Department

The benchmark in innovation and versatility

With over 2000 sterilizers installed worldwide in leading hospitals, laboratories and the pharmaceutical and biotechnology sectors, Belimed possesses the experience and knowledge to efficiently solve problems in both the Central Sterile Supply Department and the sub-sterile areas.

By an ongoing process in developing their products and the further development on the basis of customer needs, in line with the most recent guidelines and directives, Belimed has ensured that their products meet current and future market requirements, thus meeting the ever-more stringent demands applicable to the sterilization processes. The MST-V Series of sterilizers with a vertical sliding door was developed specifically for hospital and CSSD service providers. It is used in the Central Sterile Supply Department and in the operating room sector.

Small footprint

Thanks to its attractive dimensions (width <1000mm, height < 2000mm), the MST-V is not only space-efficient, but simplifies installation. Net result are savings in time and money.

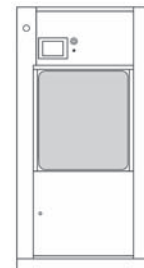
Ergonomic loading

Special attention was given to ergonomic aspects. The MST-V has the lowest loading height in its class. This results in optimal operating conditions.

Belimed sterilizers – benefits for you at a glance:

- Long-life
- Ergonomical
- Safe to operate
- System-orientated
- User-friendly
- Suitable for networking

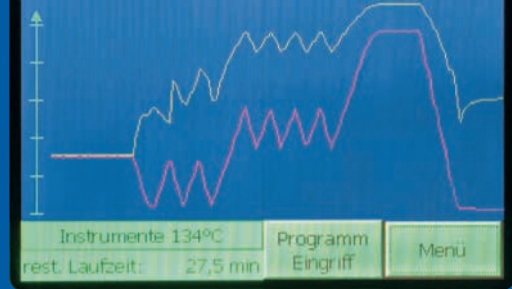
Chamber volume StE ¹	Model		Chamber dimensions (H x W x D) (mm)	System dimensions (H x W x D) (mm)	Loading height (mm)
	Single-door	Two-door			
4	6-6-6 VS1	6-6-6 VS2	660 x 660 x 700	1970 x 980 x 960 (1040) ²	785
6	6-6-9 VS1	6-6-9 VS2	660 x 660 x 1000	1970 x 980 x 1260 (1340) ²	785
8	6-6-12 VS1	6-6-12 VS2	660 x 660 x 1300	1970 x 980 x 1560 (1640) ²	785
12	6-6-18 VS1	6-6-18 VS2	660 x 660 x 2000	1970 x 980 x 2360 (2440) ²	785



¹ 1 StE = 300 x 300 x 600 mm

² Dimensions of the 2-door version





Easy operation, automatic documentation

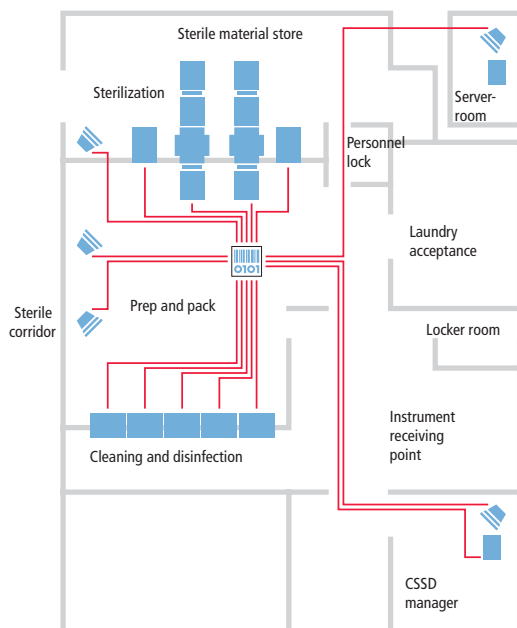
The modern touchscreen technology ensures clear and easy operation. Sophisticated management of user access rights ensures high operational safety and minimum margin of error. All relevant parameters of a sterilized batch are recorded and printed out in clear form – either texts or graphics – to ensure optimum traceability.

Integrated IT solutions

Full networking for central documentation of the entire infection control chain from cleaning to sterilization: The Belimed Infection Control Software ICS 8535 ensures that this future-orientated task can be performed. Standardized interfaces and tried-and-tested concepts are used for data exchange within a modern network.

Full traceability

With our comprehensive Infection Control Software ICS 8535 for the CSSD, Belimed makes an important contribution toward enhancing process reliability. The washer-disinfectors and sterilizers are networked and integrated in existing IT systems. The individual process steps are monitored, controlled and documented automatically. This allows each item to be uniquely identified at all times throughout the entire cycle and to be traced. This results in manageable material storage, optimization of storage costs, fast purchase order handling, avoidance of delivery errors and prevention of under- or oversupply situations.



The Belimed ICS 8535 Infection Control Software package networks washer-disinfectors and sterilizers and integrates them in existing IT systems.



Applications and standard programs

The optimized and validated standard programs allow treatment of instruments, textiles and rubber articles. We attach particular importance to safe handling of the goods, short batch times and optimum drying with minimum energy and resource consumption.

The program parameters (number of fractions, switching points, sterilization temperatures, sterilization times and drying times etc.) can be matched to the customer-specific needs.

The required test programs such as the Bowie-Dick test, vacuum test or heating programs, are available for the routine test of the sterilizer functions.

An excerpt from our standard programs

Program/Temperature	Application	Sterilization time (min)	Drying time (min)
FRVV-VMT/134°C	Solid materials to be sterilized: <ul style="list-style-type: none"> • Packaged instruments • Empty glass containers • Empty metal containers 	3–5	20
FRVV-VMT/134°C	Materials to be sterilized from which air cannot be easily displaced <ul style="list-style-type: none"> • Textiles 	3–5	6
FRVV-VMT/121°C	Porous materials to be sterilized <ul style="list-style-type: none"> • Rubber articles 	20	6
FRVV-VMT/134°C	134°C special	30–60	6
Test programs and utilities			
VOVV-VMT/134°C	Heating program	3–5	3
Vacuum test		–	–
Bowie-Dick test		3.5	3

Quality, function and accessories

Optimum quality

Not only the compact design of the MST-V but also its high level of quality are supported by facts: ruggedness of the doors and their actuating system, precision groove for guidance of the solid silicone seal with a long service life, use of high-quality materials in conjunction with ultra-modern production technology. By now, Belimed has maintained a sophisticated Quality Management System for years and is certified to ISO 9001. Our equipment complies with all requirements such as those of EN 285, ISO 17665, EN 46001, TÜV, ASME and FDA.

Easy service and maintenance

The high-quality stainless steel piping is arranged to always ensure clarity and ease of servicing. Service and maintenance work is simplified through its easy accessibility from the front side of the sterilizer.

Wide range of accessories

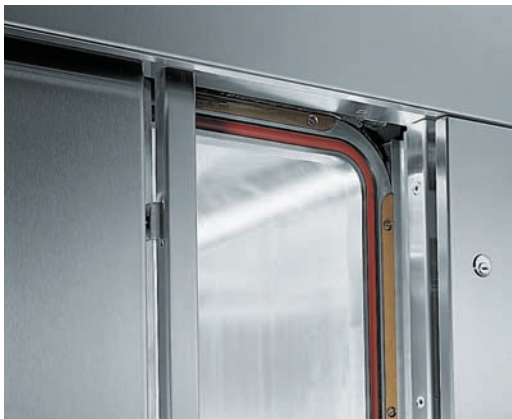
An extensive range of accessories is available for the sterilizers. The transport trolleys feature a rugged, ergonomic design. A simple coupling ensures correct positioning in front of the sterilizer chamber. The batch trolleys are easy to load, easy to move and feature ruggedness and a long life. They are as well matched to the size of the sterilizer.

Automatic loading and unloading system

An entire series of modular elements is available for largely automated operation of the sterilizer: automatic loading and unloading units with or without accumulating sections of various sizes and return locks of either single or two-door design.

Steam generator

You can choose between electrical steam generators or clean steam generators as steam converters for steam generation.



Sealing frame made of solid stainless steel



Good accessibility of servicing and maintenance compartment



Our services extend from the initial consultancy to IQ (Installation Qualification), OQ (Operating Qualification) and PQ (Performance Qualification).

Services for added value

Belimed's integral service package extends well beyond installation and maintenance.

Our range of systematic services also includes training of CSSD staff, conversion of existing installations, bridging capacity bottlenecks with mobile cleaning and sterilization units and both qualification and validation services.

Professional advice

The aim of our consulting activities is to offer you a performance package tailored to meet your needs.

Engineering services

We assist you from the pre-project phase through to systems acceptance and aftersale service.

Test lab

Our fully equipped test lab can be used for your specific tests. Our specialists can assist you with their knowledge and experience.

Installation and commissioning work

Installation and commissioning work is performed by our specially trained servicing technicians.

Validation

We perform validations in accordance with EN 554/EN ISO 17665 and your specifications. The documentation confirms that the systems fully meet the requirements of the Medical Product Directives.

Maintenance and support

When the system is in operation, you can benefit from all our support services. From telephone advice and telemaintenance by modem up to technician service calls to your premises.

Mobile station for sterilization and cleaning

Our mobile stations are fully equipped with sterilizers and cleaning machines. Production bottlenecks can be coped with during facility remodeling without major investments.

Training courses and seminars

We regularly hold training courses and seminars on our fully equipped premises. Please ask our agents for information.

Conversion of existing systems

We can convert existing, old sterilization systems and make their piping, control system and operator-control system state-of-the-art.



Belimed AG
6301 Zug
SWITZERLAND

www.belimed.com

AUSTRIA

Belimed GmbH
Grüne Lagune 1
8350 Fehring
Tel. +43 3155 40 699 0
Fax +43 3155 40 699 10
info@belimed.at

BELGIUM

NV Belimed SA
Rue de Clairvaux 8
1348 Louvain-La-Neuve
Tel. +32 10 42 02 40
Fax +32 10 42 02 49
info@belimed.be

CHINA

Belimed Medical Equipment
(Shanghai) Co., Ltd
CaiLun Road 780,
5th floor, Room H
ZhangJiang Hi-Tech Park
201203 Pudong, Shanghai
Tel. +86 21 513 709 98
Fax +86 21 513 709 96
info@belimed.cn

FRANCE

Medical
Belimed SAS
Parc Espale
1, av. Pierre Pflimlin
68390 Sausheim
Tel. +33 3 89 63 65 40
Fax +33 3 89 63 65 41
info@belimed.fr

Pharma
Belimed SAS
Parc du Chater
1, av. du Chater
69340 Francheville
Tel. +33 4 37 41 63 03
Fax +33 4 37 41 63 04
info.pharma@belimed.fr

GERMANY

Belimed Deutschland GmbH
Edisonstrasse 7a
84453 Mühldorf am Inn
Tel. +49 8631 9896 0
Fax +49 8631 9896 300
info@belimed.de

Branch Office West
Belimed Deutschland GmbH
Emil-Hoffmann-Strasse 27
50996 Köln
Tel. +49 2236 9642 0
Fax +49 2236 9642 200
info.west@belimed.de

NETHERLANDS

Belimed B.V.
Energieweg 8
6658 AD Beneden-Leeuwen
Tel. +31 487 59 11 00
Fax +31 487 59 15 90
info@belimed.nl

SLOVENIA

Belimed d.o.o.
Kosovelova cesta 2
1290 Grosuplje
Tel. +386 1 7866 010
Fax +386 1 7866 011
info@belimed.si

SWITZERLAND

Belimed Sauter AG
Zelgstrasse 8
8583 Sulgen
Tel. +41 71 644 85 00
Fax +41 71 644 86 00
info@belimed-sauter.ch

Branch Office West
Belimed Sauter AG
Erlenauweg 17
31110 Münsingen
Tel. +41 31 720 44 55
Fax +41 31 720 44 50
info@belimed-sauter.ch

UNITED KINGDOM

Belimed Limited
Unit 4 Newbuildings Place
Dragons Green Road
Shipley
West Sussex, RH13 8GQ
Tel. +44 1403 738 811
Fax +44 1403 730 830
info@belimed.co.uk

USA

Belimed, Inc.
2284 Clements Ferry Road
Charleston, SC 29492
Tel. +1 843 216 7424
Fax +1 843 216 7707
info@belimed.us

OTHER COUNTRIES

Medical
Belimed AG
Dorfstrasse 4
6275 Ballwil
SWITZERLAND
Tel. +41 41 449 78 88
Fax +41 41 449 78 89
info@belimed.ch

OTHER COUNTRIES

Pharma
Belimed Sauter AG
Zelgstrasse 8
8583 Sulgen
SWITZERLAND
Tel. +41 71 644 85 00
Fax +41 71 644 86 00
info@belimed-sauter.ch